

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD-STEAMERS.

Index No. 32019.
(For London Office only.)

Port of Survey

Date of Survey 24-2-31.

Name of Surveyor

Ship's Name. M.V. ARABIA.	Port of Registry and Nationality. GENOA. ITALIAN.	Official Number.	Gross Tonnage.	Date of Build. 1926.	Particulars of Classification. +100A.1
Number in Register Book					

Moulded dimensions 430.0 x 55.25 x 30.21.

Moulded displacement at a moulded draught of 85 per cent. of moulded depth

Coefficient of fineness for use with tables

NOT YET RECEIVED.

DEPTH FOR FREEBOARD.

Moulded depth	...	...	...	...	30.21.
Stringer plate	...	...	...	...	.04
Sheathing in wells $T \left(\frac{L-S}{L} \right) =$	...	...	...	...	✓
Depth D =	...	...	...	...	30.25.

CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15}$
 $\left(D - \frac{L}{15} \right) \times R = \left(30.25 - 28.67 \right) \times 3.0 = +4.74$ (b) When D is less than $\frac{L}{15}$ (if allowed). $\left(\frac{L}{15} - D \right) \times R =$

If restricted by height of superstructures

SUPERSTRUCTURES.

	Mean Covered Length S.	Equivalent Enclosed Length S ₁ .	Height.	Correction for Height.	Effective Length.				A.	S.
Poop enclosed	...	...	...	...	...	72.00	53.00	1	72.00	53.00
" overhang	...	...	...	...	...	21.75	23.58	3	65.25	70.74
R.Q.D. enclosed	...	...	...	...	...	3.00	5.83	3	9.00	17.49
" overhang	...	...	...	...	...	-	-	1	-	-
Bridge enclosed	...	...	...	...	...	-	-	-	146.25	141.23
" overhang aft	...	...	...	...	...	-	-	-	-	-
" overhang forward	...	...	...	...	...	-	-	-	-	-
F'cle enclosed	...	...	...	...	...	12.75	11.66	3	38.25	34.98
" overhang	...	...	...	...	...	46.50	47.17	3	139.50	141.51
Trunks forward	...	...	...	...	...	120.00	106.00	1	120.00	106.00
" aft	...	...	...	...	...	-	-	-	297.75	282.47
Tonnage opening	...	...	...	...	...	-	-	-	-	-
TOTAL =	357.05	357.05			357.05					
Length of ship (L) =	430.0	430.0			430.0					
% Covered ... =	83.03%	83.03%			83.03%					
Corresponding %, corrected for absence of forecastle if required	A = 79.06%	B = 79.06%								
Allowance ... =	42.00	79.06								

Correction for Bridge less than 2L if required = 649L.

= -33.20

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	72.00	53.00	72.00	1	72.00
2	21.75	23.58	21.75	4	87.00
3	3.00	5.83	3.00	2	6.00
4	-	-	-	4	-
5	12.75	11.66	12.75	2	25.50
6	46.50	47.17	46.50	4	186.00
F.P. 7	120.00	106.00	120.00	1	120.00

Mean effective sheer ... 18) 496.50
 Standard sheer $\cdot 05L + 5 =$ 27.58
 Difference (Df) = 26.50
 Allowance = $Df \times \left(\frac{.75 - S}{2L} \right) = 1.08 \times .335 = 1.08$
 If limited on account of amidship superstructure ... = -36.
 If limited on account of excess sheer ($1\frac{1}{2}$ in. per 100 ft.) ... = ✓

Note! Sheers to be verified.

If excess sheer forward and deficient sheer aft :-

Actual sheer aft
Standard sheer aft = excess.Actual sheer forward
Standard sheer forward = excess.

Length of enclosed superstructure

L

Forward of amidships = .32 L

Aft of amidships = .33 L

ROUND OF BEAM.

Standard	...	...	...	...	13.26
Ship	...	...	...	...	13.75
Difference	...	...	...	...	.49
Restricted to	...	...	...	...

Allowance = $\frac{\text{Difference}}{4} \times \left(1 - \frac{S}{L} \right) = \frac{.49}{4} \times .1697 = -.02$

TABULAR FREEBOARD (corrected for flush deck if required)

Corrected for Coefficient

+ .68

1.86

Correction for Length

Superstructures

Sheer

Round of beam

Thickness of deck

Scantlings, etc.

Statutory deck line

	+	-
4.74	-	
-	33.20	
-	.36	
-	.02	
-	-	
-	-	
4.74	33.58	-28.84

Summer Freeboard =

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck :-

Fresh Water Line above centre of Disc

Indian Summer Line

Winter Line

Winter North Atlantic Line

S = 5-0 3/4"

W = 5-6 1/2"

1906 FBDS